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54 Improved peritoneal dialysis solution.

57 An improved peritoneal dialysis solution comprises the conventional electrolyte combination of sodium, calcium, magnesium, chloride, lactate, and sodium hydroxide, the improvement comprising the use of a glucose polymer as the osmotic agent. In a preferred embodiment, the glucose polymer is found in a concentration of from 30 to 125 grams per liter. The large size of the glucose polymer molecules delays their passage through the peritoneum. In addition, the large glucose polymer molecules are slow to be metabolized in the blood. As a result, caloric intake is reduced and the length of time selective osmotic pressure may be applied is increased. Better B.U.N. (Blood Urea and Nitrogen) and creatinine clearances are thereby obtained, and the number of dialyses required can be reduced. Also disclosed is a method of use thereof.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 7)
Y	<p>---</p> <p>B.HELWIG et al.: "Moderne Arzneimittel", Wissenschaftliche Verlagsgesellschaft mbH, 1980, Stuttgart (DE);</p> <p>*Page 361, lines 36-38, "Dialyselösungen"; pages 366-367*</p>	1,3-5, 7-9, 11, 13, 15, 16	A 61 M 1/03
Y	<p>---</p> <p>THE MERCK MANUAL OF DIAGNOSIS AND THERAPY, Editor R.Berkow, 13th Edition, 1977, Merck & Co. Inc., Rahway, N.Y. (USA);</p> <p>*Page 709*</p>	1,3,4, 7-9, 11, 12, 1, 5, 16	
Y	<p>---</p> <p>US-A-3 525 686 (AMERICAN HOSPITAL SUPPLY)</p> <p>*The complete document, in particular column 1, lines 48-56; column 2, lines 8-29*</p>	1,4,5, 7-9, 12, 13, 15, 16	TECHNICAL FIELDS SEARCHED (Int. Cl. 7)
A		2,10	A 61 M A 61 K
Y,D	<p>---</p> <p>DE-A-2 850 247 (ABBOTT)</p> <p>*Claims 1,4,5; page 23, lines 15-17*</p>	4,7,8, 12, 15, 16	
A		17	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-02-1983	Examiner PETZUCH M.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			



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DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	US-A-4 021 543 (ABBOTT) *Abstract*	17	
A	US-A-3 928 135 (MILNER) *Abstract*		
A	RÖMPPS CHEMIE - LEXIKON, Franckh'sche Verlagshandlung, 1973, page 807, Stuttgart (DE);		
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Place of search THE HAGUE		Date of completion of the search 02-02-1983	Examiner PETZUCH M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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